| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-----------|--------|---|---|---------------------|-------------|------------------|
| S1 | 1 | ("5266936").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2005/02/21 17:21 |
| S2 | 2 | ep-433054-\$.did. | EPO; JPO; DERWENT | OR | ON | 2003/05/23 14:35 |
| S3 | 1 | 1991-179848.NRAN. | DERWENT | OR | OFF | 2003/05/23 14:36 |
| S4 | 49732 | (digital adj2 analog adj1 converter) or DAC | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/05/23 15:03 |
| S5 | 138423 | liquid adj crystal adj (display or screen or panel) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/05/23 15:05 |
| S6 | 501 | ((digital adj2 analog adj1 converter) or DAC) same (liquid adj crystal adj (display or screen or panel)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/02 15:57 |
| S7 | 221 | ((digital adj2 analog adj1 converter) or DAC) with (liquid adj crystal adj (display or screen or panel)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | * ON | 2003/05/23 15:05 |
| S8 | 21453 | ((gray or grey) adj scale) or grayscale or greyscale | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/05/23 15:06 |
| S9 | 14 | ((((digital adj2 analog adj1 converter) or DAC) same (liquid adj crystal adj (display or screen or panel))) same (((gray or grey) adj scale) or grayscale or greyscale)) and @ad<"20010406" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/01/24 15:46 |
| S10 | 67 | ((digital adj2 analog adj1 converter) or DAC) same (liquid adj crystal adj (display or screen or panel)).ab. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/02 14:03 |
| S11 | 49 | (((digital adj2 analog adj1 converter) or DAC) same (liquid adj crystal adj (display or screen or panel)).ab.) and @ad<"20010406" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/11 12:09 |
| S12 | 1 | ("6559836").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2003/06/11 13:32 |

| | | | | · | | |
|-----|--------|--|---|---------------------------------------|-----|------------------|
| S13 | 6 | ("4710766" "4845382" "6008801" "6014122" "6081112" "6208094").PN. | USPAT | OR | ON | 2003/06/02 14:11 |
| S14 | 1 | ("6486812").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2003/06/02 14:15 |
| S15 | 12 | ("4843393" "5581252" "5594569" "5643826" "5719576" "5767801" "5835045" "5847669" "5889486" "5923962" "6169508" "6400299").PN. | USPAT | OR | ON | 2003/06/02 14:12 |
| S16 | 1 | ("6420988").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2003/06/02 14:16 |
| S17 | 4 | ("5563597" "5594569" "5643826" "5923962").PN. | USPAT | OR | ON | 2003/06/02 14:15 |
| S18 | 1 | ("6373478").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2003/06/02 14:17 |
| S19 | 6 | ("3584209" "4114995" "4335393" "4639867" "5347201" "5977942").PN. | USPAT | OR | ON | 2003/06/02 14:16 |
| S20 | . 1 | ("6281944").PN. | US-PGPUB; USPAT; | OR | OFF | 2003/06/02 14:18 |
| | | | USOCR; EPO; JPO; IBM_TDB | e e e e e e e e e e e e e e e e e e e | | at in the second |
| S21 | 1 | "6034660".PN. | USPAT | OR | ON | 2003/06/02 14:18 |
| S22 | 1313 | ((((digital adj2 analog) or ("d" adj "a") or "d/a") adj1 converter) or DAC) same (((liquid adj crystal) or LCD) adj (display or screen or panel)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/03 12:06 |
| S23 | 233607 | output with pulse | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/02 16:08 |
| S24 | 31 | (((((digital adj2 analog) or ("d" adj "a") or "d/a") adj1 converter) or DAC) same (((liquid adj crystal) or LCD) adj (display or screen or panel))) same (output with pulse) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/02 16:08 |

| | | | 1 | | | |
|-----|------|--|---|----|-----|------------------|
| S25 | 23 | ((((((digital adj2 analog) or ("d" adj "a") or "d/a") adj1 converter) or DAC) same (((liquid adj crystal) or LCD) adj (display or screen or panel))) same (output with pulse)) and @ad<"20010406" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/02 16:08 |
| S26 | 1 | ("5166671").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2003/06/03 11:45 |
| S27 | 28 | (((digital adj2 analog adj1 converter) or DAC) same (liquid adj crystal adj (display or screen or panel))) same (((gray or grey) adj scale) or grayscale or greyscale) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/03 11:51 |
| S28 | 1314 | ((((digital adj2 analog) or ("d" adj "a") or "d/a") adj1 converter) or DAC) same (((liquid adj crystal) or LCD) adj (display or screen or panel)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/06 10:25 |
| S29 | 198 | column adj capacitor | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/03 12:10 |
| S30 | 4 | (((((digital adj2 analog) or ("d" adj "a") or "d/a") adj1 converter) or DAC) same (((liquid adj crystal) or LCD) adj (display or screen or panel))) and (column adj capacitor) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/03 12:10 |
| S31 | 1 | ("6429858").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2003/06/03 14:00 |
| S32 | 8 | ("5021774" "5801674" "5812104" "6011535" "6067061" "6137432" "6320565" "6329974").PN. | USPAT | OR | ON | 2003/06/03 14:00 |
| S33 | 0 | "6429858".URPN. | USPAT | OR | ON | 2003/06/03 14:06 |
| S34 | 1 | ("6049321").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2003/06/05 09:33 |
| S35 | 1 | ("6496173").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2003/06/05 10:10 |

| | <u> </u> | | T | | T | |
|-----|----------|---|---|----|-----|------------------|
| S36 | 10 | ("4766430" "4996530" "5006739" "5442379" "6049321" "6057821" "6091390" "6256010" "6288841" "6344857").PN. | USPAT | OR | ON | 2003/06/05 10:04 |
| S37 | 1 | ("6384817").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2003/06/05 10:11 |
| S38 | 9 | ("5189406" "5352937" "5623279" "5721563" "5731795" "5874934" "6049321" "6160534" "6249269").PN. | USPAT | OR | ON | 2003/06/05 10:11 |
| S39 | 1315 | ((((digital adj2 analog) or ("d" adj "a") or "d/a") adj1 converter) or DAC) same (((liquid adj crystal) or LCD) adj (display or screen or panel)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/11 12:04 |
| S40 | 5 | (((((digital adj2 analog) or ("d" adj "a") or "d/a") adj1 converter) or DAC) same (((liquid adj crystal) or LCD) adj (display or screen or panel))) same (current with pulse) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/06 10:32 |
| S41 | 3 | ((((((digital adj2 analog) or ("d" adj "a") or "d/a") adj1 converter) or DAC) same (((liquid adj crystal) or LCD) adj (display or screen or panel))) same (current with pulse)) and @ad<"20010406" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/06 10:43 |
| S42 | 86 | (((((digital adj2 analog) or ("d" adj "a") or "d/a") adj1 converter) or DAC) same (((liquid adj crystal) or LCD) adj (display or screen or panel))) same pulse | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/06 10:32 |
| S43 | 63 | ((((((digital adj2 analog) or ("d" adj "a") or "d/a") adj1 converter) or DAC) same (((liquid adj crystal) or LCD) adj (display or screen or panel))) same pulse) and @ad<"20010406" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/06 10:32 |
| S44 | 5 | ((((digital adj2 analog) or ("d" adj "a") or "d/a") adj1 converter) or DAC) same (((((digital adj2 analog) or ("d" adj "a") or "d/a") adj1 converter) or DAC) same (((liquid adj crystal) or LCD) adj (display or screen or panel))) same (current with pulse)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/06 10:42 |

| S45 | 3 | (((((digital adj2 analog) or ("d" adj "a") or "d/a") adj1 converter) or DAC) same ((((((digital adj2 analog) or ("d" adj "a") or "d/a") adj1 converter) or DAC) same (((liquid adj crystal) or LCD) adj (display or screen or panel))) same (current with pulse))) and @ad<"20010406" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/06 10:43 |
|-----|--------|---|---|----|----|------------------|
| S46 | 1315 | ((((digital adj2 analog) or ("d" adj "a") or "d/a") adj1 converter) or DAC) same (((liquid adj crystal) or LCD) adj (display or screen or panel)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/09 10:09 |
| S47 | 237931 | (source or column or data) with switch | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/10 09:19 |
| S48 | 86962 | (gate or row or scan) with switch | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/06 10:56 |
| S49 | 26846 | ((source or column or data) with switch) same ((gate or row or scan) with switch) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/06 10:56 |
| S50 | 16 | (((((((digital adj2 analog) or ("d" adj "a") or "d/a") adj1 converter) or DAC) same (((liquid adj crystal) or LCD) adj (display or screen or panel))) same (((source or column or data) with switch) same ((gate or row or scan) with switch))) and @ad<"20010406" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/06 10:57 |
| S51 | 97 | (((liquid adj crystal) or LCD) adj (display or screen or panel)) same (current near2 pulse) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/10 10:59 |
| S52 | 83 | ((((liquid adj crystal) or LCD) adj (display or screen or panel)) same (current near2 pulse)) and @ad<"20010406" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/07 11:53 |
| S53 | 0 | (((((digital adj2 analog) or ("d" adj "a") or "d/a") adj1 converter) or DAC) same (((liquid adj crystal) or LCD) adj (display or screen or panel))) same (((source or column or data) with switch) same ((gate or row or scan) with switch)) | USOCR | OR | ON | 2003/06/07 11:56 |

| S54 | 27 | (((((digital adj2 analog) or ("d" adj "a") or "d/a") adj1 converter) or DAC) same (((liquid adj crystal) or LCD) adj (display or screen or panel))) same (((source or column or data) with switch) same ((gate or row or scan) with switch)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/07 11:59 |
|-----|------|--|---|----|--|------------------|
| S55 | 2424 | (((liquid adj crystal) or LCD) adj (display or screen or panel)) same (drive) same substrate | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/09 10:08 |
| S56 | 1315 | ((((digital adj2 analog) or ("d" adj "a") or "d/a") adj1 converter) or DAC) same (((liquid adj crystal) or LCD) adj (display or screen or panel)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/09 12:14 |
| S57 | 22 | ((((liquid adj crystal) or LCD) adj (display or screen or panel)) same (drive) same substrate) same (((((digital adj2 analog) or ("d" adj "a") or "d/a") adj1 converter) or DAC) same (((liquid adj crystal) or LCD) adj (display or screen or panel))) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/09 10:20 |
| S58 | 19 | (((((liquid adj crystal) or LCD) adj (display or screen or panel)) same (drive) same substrate) same (((((digital adj2 analog) or ("d" adj "a") or "d/a") adj1 converter) or DAC) same (((liquid adj crystal) or LCD) adj (display or screen or panel)))) and @ad<"20010406" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/09 10:20 |
| S59 | 52 | ((((liquid adj crystal) or LCD) adj (display or screen or panel)) same (drive) same substrate) and (((((digital adj2 analog) or ("d" adj "a") or "d/a") adj1 converter) or DAC) same (((liquid adj crystal) or LCD) adj (display or screen or panel))) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON The second se | 2003/06/09 10:20 |

| S60 | 30 | ((((((liquid adj crystal) or LCD) adj (display or screen or panel)) same (drive) same substrate) and (((((digital adj2 analog) or ("d" adj "a") or "d/a") adj1 converter) or DAC) same (((liquid adj crystal) or LCD) adj (display or screen or panel)))) not (((((liquid adj crystal) or LCD) adj (display or screen or panel)) same (drive) same substrate) same (((((digital adj2 analog) or ("d" adj "a") or "d/a") adj1 converter) or DAC) same (((liquid adj crystal) or LCD) adj (display or screen or panel)))) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/09 10:20 |
|-----|-------|---|---|----|-----|------------------|
| S61 | 20 | (((((((liquid adj crystal) or LCD) adj (display or screen or panel)) same (drive) same substrate) and (((((digital adj2 analog) or ("d" adj "a") or "d/a") adj1 converter) or DAC) same (((liquid adj crystal) or LCD) adj (display or screen or panel)))) not (((((liquid adj crystal) or LCD) adj (display or screen or panel)) same (drive) same substrate) same (((((digital adj2 analog) or ("d" adj "a") or "d/a") | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/09 10:20 |
| | | adj1 converter) or DAC) same (((liquid adj crystal) or LCD) adj (display or screen or panel))))) and @ad<"20010406" | | | | |
| S62 | 1 | ("6459395").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2003/06/09 11:32 |
| S63 | 1315 | ((((digital adj2 analog) or ("d" adj "a") or "d/a") adj1 converter) or DAC) same (((liquid adj crystal) or LCD) adj (display or screen or panel)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/09 15:38 |
| S64 | 48176 | (PLL or (phase\$2 adj lock\$2 adj loop)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/09 12:20 |
| S65 | 34 | (((((digital adj2 analog) or ("d" adj "a") or "d/a") adj1 converter) or DAC) same (((liquid adj crystal) or LCD) adj (display or screen or panel))) same ((PLL or (phase\$2 adj lock\$2 adj loop))) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/09 12:20 |

| | - | , | | | | |
|-----|---------------|---|---|------|----|------------------|
| S66 | 32 | (((((((digital adj2 analog) or ("d" adj "a") or "d/a") adj1 converter) or DAC) same (((liquid adj crystal) or LCD) adj (display or screen or panel))) same ((PLL or (phase\$2 adj lock\$2 adj loop)))) and @ad<"20010406" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/09 12:53 |
| S67 | 336 | (pulse\$2 adj width) with (gray adj scale) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/09 13:17 |
| S68 | 6 | (((((digital adj2 analog) or ("d" adj "a") or "d/a") adj1 converter) or DAC) same (((liquid adj crystal) or LCD) adj (display or screen or panel))) and ((pulse\$2 adj width) with (gray adj scale)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/09 12:30 |
| S69 | 3 | ((((((digital adj2 analog) or ("d" adj "a") or "d/a") adj1 converter) or DAC) same (((liquid adj crystal) or LCD) adj (display or screen or panel))) and ((pulse\$2 adj width) with (gray adj scale))) and @ad<"20010406" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/09 13:18 |
| S70 | 1 | ((PLL or (phase\$2 adj lock\$2 adj loop))) same ((pulse\$2 adj width) with (gray adj scale)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/09 13:16 |
| S71 | 95029 | pulse\$2 adj width | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR . | ON | 2003/06/09 13:17 |
| S72 | 1566 | ((PLL or (phase\$2 adj lock\$2 adj loop))) same (pulse\$2 adj width) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/09 14:33 |
| S73 | 4 | (((((digital adj2 analog) or ("d" adj "a") or "d/a") adj1 converter) or DAC) same (((liquid adj crystal) or LCD) adj (display or screen or panel))) and (((PLL or (phase\$2 adj lock\$2 adj loop))) same (pulse\$2 adj width)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/09 14:34 |
| S74 | 3 | ((((((digital adj2 analog) or ("d" adj "a") or "d/a") adj1 converter) or DAC) same (((liquid adj crystal) or LCD) adj (display or screen or panel))) and (((PLL or (phase\$2 adj lock\$2 adj loop))) same (pulse\$2 adj width))) and @ad<"20010406" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/09 13:18 |

| _ | <u></u> | T | | T | T | |
|-----|---------|---|---|----|-------|------------------|
| S75 | 1 | ("5103112").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2003/06/09 14:23 |
| S76 | 1566 | ((PLL or (phase\$2 adj lock\$2 adj loop))) same (pulse\$2 adj width) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/09 14:34 |
| S77 | 86565 | ((((digital adj2 analog) or ("d" adj "a") or "d/a") adj1 converter) or DAC) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/09 14:37 |
| S78 | 46 | (((PLL or (phase\$2 adj lock\$2 adj loop))) same (pulse\$2 adj width)) same (((((digital adj2 analog) or ("d" adj "a") or "d/a") adj1 converter) or DAC)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/09 14:38 |
| S79 | 742 | (((PLL or (phase\$2 adj lock\$2 adj loop))) same (pulse\$2 adj width)) same clock | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/09 14:38 |
| S80 | 20 | ((((PLL or (phase\$2 adj lock\$2 adj loop))) same (pulse\$2 adj width)) same clock) same ((((digital adj2 analog) or ("d" adj "a") or "d/a") adj1 converter) or DAC)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/09 14:38 |
| S81 | 16 | (((((PLL or (phase\$2 adj lock\$2 adj loop))) same (pulse\$2 adj width)) same clock) same ((((digital adj2 analog) or ("d" adj "a") or "d/a") adj1 converter) or DAC))) and @ad<"20010406" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/09 14:45 |
| S82 | 1 | ("5970106").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF - | 2003/06/09 15:34 |
| S83 | 1315 | ((((digital adj2 analog) or ("d" adj "a") or "d/a") adj1 converter) or DAC) same (((liquid adj crystal) or LCD) adj (display or screen or panel)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/01/24 13:53 |
| S84 | 1925 | ((((analog adj2 digital) or ("a" adj "d") or "a/d") adj1 converter) or ADC) same (((liquid adj crystal) or LCD) adj (display or screen or panel)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/10 09:15 |

| S85 | 298 | (((((digital adj2 analog) or ("d" adj "a") or "d/a") adj1 converter) or DAC) same (((liquid adj crystal) or LCD) adj (display or screen or panel))) same (((((analog adj2 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/10 09:11 |
|-----|-----|--|---|----|----|------------------|
| | | digital) or ("a" adj "d") or "a/d") adj1 converter) or ADC) same (((liquid adj crystal) or LCD) adj (display or screen or panel))) | | | | |
| S86 | 41 | (((((analog adj2 digital) or ("a" adj "d") or "a/d") adj1 converter) or ADC) same (((liquid adj crystal) or LCD) adj (display or screen or panel))) same ((source or column or data) adj2 line) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/09 15:46 |
| S87 | 3 | ((((((digital adj2 analog) or ("d" adj "a") or "d/a") adj1 converter) or DAC) same (((liquid adj crystal) or LCD) adj (display or screen or panel))) same (((((analog adj2 digital) or ("a" adj "d") or "a/d") adj1 converter) or ADC) same (((liquid adj crystal) or LCD) adj (display or screen or panel)))) and ((((((analog adj2 digital) or ("a" adj "d") or "a/d") adj1 converter) or ADC) same (((liquid adj crystal) or LCD) adj (display or screen or panel))) same ((source or column or data) adj2 line)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/09 15:47 |
| S88 | 2 | ((((((((digital adj2 analog) or ("d" adj "a") or "d/a") adj1 converter) or DAC) same (((liquid adj crystal) or LCD) adj (display or screen or panel))) same (((((analog adj2 digital) or ("a" adj "d") or "a/d") adj1 converter) or ADC) same | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/09 15:48 |
| | | (((liquid adj crystal) or LCD) adj (display or screen or panel)))) and ((((((analog adj2 digital) or ("a" adj "d") or "a/d") adj1 converter) or ADC) same (((liquid adj crystal) or LCD) adj (display or screen or | | | | |
| | | panel))) same ((source or column or data) adj2 line))) and @ad<"20010406" | | | | |
| S89 | 39 | ((((((analog adj2 digital) or ("a" adj "d") or "a/d") adj1 converter) or ADC) same (((liquid adj crystal) or LCD) adj (display or screen or panel))) same ((source or column or data) adj2 line)) and @ad<"20010406" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/09 15:48 |

| | | | | | | |
|-----|--------|--|---|----------------------|----|------------------|
| S90 | 236 | (((((((digital adj2 analog) or ("d" adj "a") or "d/a") adj1 converter) or DAC) same (((liquid adj crystal) or LCD) adj (display or screen or panel))) same (((((analog adj2 digital) or ("a" adj "d") or "a/d") adj1 converter) or ADC) same (((liquid adj crystal) or LCD) adj (display or screen or panel)))) and @ad<"20010406" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/09 15:52 |
| S91 | 298 | (((((digital adj2 analog) or ("d" adj "a") or "d/a") adj1 converter) or DAC) same (((liquid adj crystal) or LCD) adj (display or screen or panel))) same (((((analog adj2 digital) or ("a" adj "d") or "a/d") adj1 converter) or ADC) same (((liquid adj crystal) or LCD) adj (display or screen or panel))) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/10 09:15 |
| S92 | 1928 | ((((analog adj2 digital) or ("a" adj "d") or "a/d") adj1 converter) or ADC) same (((liquid adj crystal) or LCD) adj (display or screen or panel)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/10 09:17 |
| S93 | 159010 | (source or column or data) adj2 line | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/10 11:05 |
| S94 | 41 | (((((analog adj2 digital) or ("a" adj "d") or "a/d") adj1 converter) or ADC) same (((liquid adj crystal) or LCD) adj (display or screen or panel))) same ((source or column or data) adj2 line) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/10 09:32 |
| S95 | 3 | ((((((analog adj2 digital) or ("a" adj "d") or "a/d") adj1 converter) or ADC) same (((liquid adj crystal) or LCD) adj (display or screen or panel))) same ((source or column or data) adj2 line)) and (((((digital adj2 analog) or ("d" adj "a") or "d/a") adj1 converter) or DAC) same (((liquid adj crystal) or LCD) adj (display or screen or panel))) same ((((analog adj2 digital) or ("a" adj "d") or "a/d") adj1 converter) or ADC) same (((liquid | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/10 09:32 |
| | | adj crystal) or LCD) adj (display or screen or panel)))) | | ۹ بوستا رې افادهوي و | | |

| S96 | 2 | ((((((((analog adj2 digital) or ("a" adj "d") or "a/d") adj1 converter) or ADC) same (((liquid adj crystal) or LCD) adj (display or screen or panel))) same ((source or column or data) adj2 line)) and (((((digital adj2 analog) or ("d" adj "a") or "d/a") adj1 converter) or DAC) same (((liquid adj crystal) or LCD) adj (display or screen or panel))) same (((((analog adj2 digital) or ("a" adj "d") or "a/d") adj1 converter) or ADC) same (((liquid adj crystal) or LCD) adj (display or screen or panel))))) and @ad<"20010406" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/10 09:33 |
|----------|--------|---|---|----|-----|------------------|
| S97 | 39 | ((((((analog adj2 digital) or ("a" adj "d") or "a/d") adj1 converter) or ADC) same (((liquid adj crystal) or LCD) adj (display or screen or panel))) same ((source or column or data) adj2 line)) and @ad<"20010406" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/10 09:33 |
| S98 | | ("5453991").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2003/06/10 10:57 |
| S99 | 1412 | fuse adj link | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/10 10:58 |
| S10 0 | 53 | (fuse adj link) with (capacitor or capacitance) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/10 11:53 |
| S10 1 | 6 , | ((fuse adj link) with (capacitor or capacitance)) and (((liquid adj crystal) or LCD) adj (display or screen or panel)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/10 11:09 |
| S10 2 | 4 | (((fuse adj link) with (capacitor or capacitance)) and (((liquid adj crystal) or LCD) adj (display or screen or panel))) and @ad<"20010406" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/11 11:07 |
| S10 3 | 17235 | compensat\$4 with (capacitance or capacitor) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/10 11:05 |
| S10 4 | 159010 | (source or column or data) adj2 line | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/10 11:09 |

| | ,—— | | | | | |
|----------|-----|---|---|----|----|------------------|
| S10 5 | 217 | (compensat\$4 with (capacitance or capacitor)) same ((source or column or data) adj2 line) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/10 11:11 |
| S10 6 | 95 | ((compensat\$4 with (capacitance or capacitor)) same ((source or column or data) adj2 line)) and (((liquid adj crystal) or LCD) adj (display or screen or panel)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/10 12:04 |
| S10 7 | 38 | ((compensat\$4 with (capacitance or capacitor)) same ((source or column or data) adj2 line)) same (((liquid adj crystal) or LCD) adj (display or screen or panel)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/10 11:11 |
| S10 8 | 79 | (compensat\$4 with (capacitance or capacitor)) with ((source or column or data) adj2 line) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/10 11:11 |
| S10 9 | 17 | ((compensat\$4 with (capacitance or capacitor)) with ((source or column or data) adj2 line)) same (((liquid adj crystal) or LCD) adj (display or screen or panel)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/10 11:11 |
| S11 0 | 10 | (((compensat\$4 with (capacitance or capacitor)) with ((source or column or data) adj2 line)) same (((liquid adj crystal) or LCD) adj (display or screen or panel))) and @ad<"20010406" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/10 11:12 |
| S11 1 | 24 | ((binary or digital) same progression) with (capacitor or capacitance) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/10 12:02 |
| S11 2 | 23 | (((binary or digital) same progression) with (capacitor or capacitance)) and @ad<"20010406" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/10 12:04 |
| S11 3 | 15 | ((binary) with progression) with (capacitor or capacitance) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/11 09:21 |
| S11 4 | 0 | (((binary) with progression) with (capacitor or capacitance)) not (((binary or digital) same progression) with (capacitor or capacitance)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/10 12:03 |

| S11 5 | 78 | (((compensat\$4 with (capacitance or capacitor)) same ((source or column or data) adj2 line)) and (((liquid adj crystal) or LCD) adj (display or screen or panel))) not (((compensat\$4 with (capacitance or capacitor)) with ((source or column or data) adj2 line)) same (((liquid adj crystal) or LCD) adj (display or screen or panel))) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/10 12:04 |
|----------|----|---|---|--------|----------|------------------|
| S11 6 | 46 | ((((compensat\$4 with (capacitance or capacitor)) same ((source or column or data) adj2 line)) and (((liquid adj crystal) or LCD) adj (display or screen or panel))) not (((compensat\$4 with (capacitance or capacitor)) with ((source or column or data) adj2 line)) same (((liquid adj crystal) or LCD) adj (display or screen or panel)))) and @ad<"20010406" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/01/24 13:49 |
| S11 7 | 1 | ("6307681").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2003/06/10 15:36 |
| S11 8 | 1 | ("5668650").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR 1 A | OFF | 2003/06/10 15:36 |
| S11 9 | 1 | ("5828349").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2003/06/11 08:53 |
| S12 0 | 8 | ("4646165" "4734759" "5276436" "5499036" "5515068" "5608532" "5673058" "5673065").PN. | USPAT | OR | ON | 2003/06/11 08:50 |
| S12 | 2 | "5828349".URPN. | USPAT | OR | ON | 2003/06/11 08:52 |
| S12 2 | 1 | ("6081250").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2003/06/11 10:54 |
| S12 3 | 5 | ("4724433" "4785297" "4842371" "5041822" "5253091").PN. | USPAT | OR | ON STANK | 2003/06/11 08:54 |
| S12 4 | 0 | "6081250".URPN. | USPAT | OR | ON | 2003/06/11 08:56 |

| | | | _ | | | |
|----------|-----|--|---|--------------|-----|------------------|
| S12 5 | 1 | ("6252566").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2003/06/11 09:02 |
| S12 6 | 8 | ("5132819" "5583533" "5701136" "5726678" "5774100" "5841411" "5939896" "5940057").PN. | USPAT | OR | ON | 2003/06/11 08:57 |
| S12 7 | 0 | "6252566".URPN. | USPAT | OR | ON | 2003/06/11 09:02 |
| S12 8 | 1 | ("5668650").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2003/06/11 09:08 |
| S12 9 | 1 | "5285302".PN. | USPAT | OR | ON | 2003/06/11 09:02 |
| S13 0 | 10 | "5668650".URPN. | USPAT | OR | ON | 2003/06/11 09:04 |
| S13 1 | 1 | ("6307681").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2003/06/11 09:09 |
| S13 2 | 3 | ("4823121" "5952861" "5959600").PN. | USPAT | OR | ON | 2003/06/11 09:09 |
| S13 3 | 1 | "6307681".URPN. | USPAT | OR | ON | 2003/06/11 09:10 |
| S13 4 | 8 | ((binary) with progression) with (capacitor or capacitance) | USOCR | OR | ON | 2003/06/11 09:25 |
| S13 5 | 1 | ("4380756").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2003/06/11 09:25 |
| S13 6 | , 1 | "4195282".PN. | USPAT | OR | ON | 2003/06/11 09:25 |
| S13 7 | 11 | "4380756".URPN. | USPAT | OR | ON | 2003/06/11 09:26 |
| S13 8 | 1 | ("3538450").PN. | US-PGPUB; USPAT; USOCR; | OR | OFF | 2003/06/11 09:49 |
| | | | EPO; JPO; IBM_TDB | ngarin saman | | |
| S13 9 | 1 | ("5940057").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2003/06/11 10:54 |

| S14 0 | 51 | ((fuse adj link) with (capacitor or capacitance)) and @ad<"20010406" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/11 11:08 |
|----------|------|---|---|----|-----|------------------|
| S14 1 | 1 | ("6151238").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2003/06/11 11:30 |
| S14 2 | 5 | ("5384847" "5440513" "5504903" "5590273" "5598122").PN. | USPAT | OR | ON | 2003/06/11 11:27 |
| S14 3 | 1 | "6151238".URPN. | USPAT | OR | ON | 2003/06/11 11:28 |
| S14 4 | 1 | ("6496053").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2003/06/11 11:30 |
| S14 5 | 32 | ("4001610" "4193106" "4687951" "4714949" "5021920" "5264725" "5266829" "5331196" "5387812" "5394294" "5406232" "5411917" "5444597" "5618750" "5625219" "5742555" "5756393" "5760674" "5780918" "5795819" "5811869" "5861647" "5896059" "5917763" "6008523" "6064108" "6087889" "6160302" "6163488" "6235557" "6259146" "6296779").PN. | USPAT | OR | ON | 2003/06/11 11:30 |
| S14 6 | 1317 | ((((digital adj2 analog) or ("d" adj "a") or "d/a") adj1 converter) or DAC) same (((liquid adj crystal) or LCD) adj (display or screen or panel)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/11 12:07 |
| S14 7 | 722 | (address near2 controller) same video | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/11 12:09 |
| S14 8 | 10 | (((((digital adj2 analog) or ("d" adj "a") or "d/a") adj1 converter) or DAC) same (((liquid adj crystal) or LCD) adj (display or screen or panel))) and ((address near2 controller) same video) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/06/11 12:09 |

| | | //// !: !! !! ! | 1 | | T | |
|----------|--------|---|---|------|-----|------------------|
| S14 9 | 4 | ((((((digital adj2 analog) or ("d" adj "a") or "d/a") adj1 converter) or DAC) same (((liquid adj crystal) or LCD) adj (display or screen or panel))) and ((address near2 controller) same video)) and @ad<"20010406" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/02/18 14:50 |
| S15 0 | 1 | ("6067083").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2003/06/11 12:21 |
| S15 1 | 1 | ("5726678").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2003/06/11 13:32 |
| S15 2 | 1 | ("5841411").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2003/06/11 13:33 |
| S15 3 | 1 | ("5041822").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2003/06/11 13:33 |
| S15 4 | 1 | ("5959600").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR A | OFF | 2003/06/11 13:33 |
| S15 5 | 1 | ("6320565").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2003/06/11 13:34 |
| S15 6 | 188629 | LCD or (liquid adj crystal adj display) or RLCD | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/11 14:05 |
| S15 7 | 106687 | (pulse adj width) or pulse\$1width | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/11 14:07 |
| S15 8 | 1849 | amplitude same (LCD or (liquid adj crystal adj display) or RLCD) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/11 14:07 |

| S15 9 | 105 | ((pulse adj width) or pulse\$1width) same (amplitude same (LCD or (liquid adj crystal adj display) or RLCD)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/11 14:08 |
|----------|------|---|---|----|-----|------------------|
| S16 0 | 84 | (((pulse adj width) or pulse\$1width) same (amplitude same (LCD or (liquid adj crystal adj display) or RLCD))) and @ad<"20010406" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/11 14:20 |
| S16 1 | 1 | ("5877738").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2004/06/14 09:27 |
| S16 2 | 1 | ("6094243").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2004/06/14 09:28 |
| S16 3 | 1143 | (345/690-697).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2005/01/24 13:44 |
| S16 4 | 2907 | (345/87).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2005/01/24 13:44 |
| S16 5 | 1007 | (345/89).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2005/01/24 13:44 |
| S16 6 | 943 | (345/94).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2005/01/24 13:44 |
| S16 7 | 424 | (345/208).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2005/01/24 13:47 |
| S16 8 | 5756 | S163 or S164 or S165 or S166 or S167 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/01/24 13:47 |
| S16 9 | 6399 | current same amplitude same width | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/01/24 13:48 |

| S17 0 | 2066 | current with amplitude with width | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON ⁻ | 2005/01/24 13:48 |
|----------|--------|---|---|---------|-----------------|------------------|
| S17 1 | 15 | S168 and S170 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/01/24 13:48 |
| S17 2 | 9 | S171 and @ad<"20010406" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/01/24 13:56 |
| S17 3 | 1889 | ((((digital adj2 analog) or ("d" adj "a") or "d/a") adj1 converter) or DAC) same (((liquid adj crystal) or LCD) adj (display or screen or panel)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/01/24 14:00 |
| S17 4 | 1889 | S173 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/01/24 13:56 |
| S17 5 | . 240 | S174 and S168 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/01/24 13:56 |
| S17 6 | 121 | S175 and @ad<"20010406" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/01/24 14:05 |
| S17 7 | 44839 | current with amplitude | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/01/24 13:59 |
| S17 8 | 1 | S173 same S177 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/01/24 13:59 |
| S17 9 | 160690 | (digital adj2 analog) or ((("d" adj "a") or "d\$1a") adj1 converter) or D\$1A\$1C | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON A | 2005/01/24 14:03 |
| S18 0 | 800 | S168 and S179 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/01/24 14:05 |
| S18 1 | 981 | S177 same S179 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR (33) | ON | 2005/01/24 14:04 |

| | , | | | | | |
|----------|---------------|---|---|------|-----|------------------|
| S18 2 | 3 | S168 and S181 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/01/24 14:05 |
| S18 3 | 2 | S182 and @ad<"20010406" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/01/24 14:05 |
| S18 4 | 1 | ("6496173").PN. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/01/24 14:57 |
| S18 5 | 5231 | ((pulse adj width) or pulse\$1width) adj control\$4 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/01/24 15:42 |
| S18 6 | 1143 | (345/690-697).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2005/01/24 15:46 |
| S18 7 | 2907 | (345/87).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2005/01/24 15:46 |
| S18 8 | 1007 | (345/89).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2005/01/24 15:46 |
| S18 9 | 943 | (345/94).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR . | OFF | 2005/01/24 15:46 |
| S19 0 | 424 | (345/208).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2005/01/24 15:46 |
| S19 1 | 5756 | S186 or S187 or S188 or S189 or S190 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/01/24 15:46 |
| S19 2 | 5756 | S191 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/01/24 15:46 |

| S19 | 58 | S185 and S192 | US-PGPUB; | OR | ON | 2005/01/24 15:51 |
|----------|------|--|---|------|-----|------------------|
| 3 | 30 | 3103 unu 3132 | USPAT; EPO; JPO; IBM_TDB | OK | OI | 2003/01/24 15.51 |
| S19 4 | 40 | S193 and @ad<"20010406" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/01/24 16:48 |
| S19 5 | 1666 | S185 same current | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/01/24 15:51 |
| S19 6 | 4 | S195 and S192 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/01/24 15:51 |
| S19 7 | 3 | S196 and @ad<"20010406" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/01/24 15:51 |
| S19 8 | 5 | "827558".ap. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/01/24 16:45 |
| S19 9 | 2312 | (345/98-100).CCLS. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/01/24 16:45 |
| S20 0 | 5231 | ((pulse adj width) or pulse\$1width) adj control\$4 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR . | ON | 2005/01/24 16:46 |
| S20 1 | 22 | S199 and S200 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/01/24 16:46 |
| S20 2 | 1666 | S200 same current | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/01/24 16:47 |
| S20 3 | 1 | S199 and S202 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/01/24 16:47 |
| S20 4 | 17 | S201 and @ad<"20010406" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/01/24 16:48 |

| S20 5 | 35207 | current adj2 pulse | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/02/18 14:43 |
|----------|--------|--------------------------------------|---|------------------------|----|------------------|
| S20 6 | 30323 | (gr?y\$1scale) or (gr?y adj scale) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/02/18 14:45 |
| S20 7 | 66 | S205 same S206 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/02/18 14:46 |
| S20 8 | 12698 | constant adj amplitude | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/02/18 14:49 |
| S20 9 | 1 | S207 and S208 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/02/18 14:47 |
| S21 0 | 114632 | (pulse\$1width) or (pulse adj width) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/02/18 14:49 |
| S21 1 | 33 | S207 and S210 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/02/18 14:49 |
| S21 2 | 36787 | constant with amplitude | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/02/21 14:58 |
| S21 3 | 1 | S211 and S212 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/02/18 14:50 |
| S21 4 | 22 | S211 and @ad<"20010406" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/02/18 14:58 |
| S21 5 | 38958 | S210 adj modulat\$4 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/02/18 14:57 |
| S21 6 | 25291 | amplitude adj modulation | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR Service Services | ON | 2005/02/18 14:58 |

| | | T | l | T | l _ | |
|----------|--------|--|---|----|-----|------------------|
| S21 7 | 42 | S206 same S215 same S216 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/02/18 14:58 |
| S21 8 | 31 | S217 and @ad<"20010406" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/02/18 15:30 |
| S21 9 | 46 | S205 same S216 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/02/18 15:30 |
| S22 0 | 32 | S219 and @ad<"20010406" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/02/21 14:59 |
| S22 1 | 6460 | (constant or fix\$3) with current with amplitude | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/02/21 14:58 |
| S22 2 | 295008 | lcd or (liquid adj crystal) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/02/21 14:59 |
| S22 3 | 13 | S221 same S222 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/02/21 15:03 |
| S22 4 | 8 | S223 and @ad<"20010406" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/02/21 15:04 |
| S22 5 | 222 | S221 and S222 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/02/21 15:03 |
| S22 6 | 62951 | ("345").CLAS. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/02/21 15:04 |
| S22 7 | 72 | S221 and S226 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/02/21 15:04 |
| S22 8 | 58 | S227 and @ad<"20010406" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/02/21 15:04 |

| S22 9 | 1 | ("6496173").PN. | US-PGPUB; USPAT; USOCR; | OR | OFF | 2005/02/21 17:21 |
|----------|---|-----------------|-------------------------------|----|-----|------------------|
| | | | EPO; JPO; IBM_TDB | | | |